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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/513,704	02/25/2000	Tuomo Hokkanen	2132-25PCON	7280

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EXAMINER

NALVEN, ANDREW L

ART UNIT	PAPER NUMBER
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2134

DATE MAILED: 06/14/2004

8

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/513,704

Applicant(s)

HOKKANEN ET AL.

Examiner

Andrew L Nalven

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14, 16-18 is/are rejected.
- 7) ☒ Claim(s) 15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Claims 1-18 are pending.
2. The amendment submitted on 3/24/2004 has been received and entered.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heinz US Patent No. 5,812,764 in view of Nielsen US Patent No 6,006,333. Heinz discloses a password management system over a communications network. Nielsen teaches a password helper for presenting appropriate client passwords to remote servers.

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6. With regards to claims 1 and 6, Heinz discloses providing the user of a service with a set of expendable passwords for remotely accessing a service via a network (Heinz, column 4, lines 1-4 and column 6, lines 44-52) and the storing of the provided passwords on the terminal device of the user (Heinz, column 4, lines 8-13). A connection is set up via the network from the terminal to the server to enable use of the service (Heinz, column 5, lines 34-46). Heinz further discloses the receiving of a setup signal and the validation of the password at the server for either allowing or denying access (Heinz, column 6, lines 1-12). Heinz lacks a reference to the terminal automatically selecting from the stored set of expendable passwords and transmitting the password as a portion of a connection setup signal. Nielsen discloses the selecting from the stored set of passwords, automatically by the terminal device at user log-on, one of the stored passwords for use in logging on to the service (Nielsen, column 3 line 64 – column 4 line 8). At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to utilize Nielsen's method of using a terminal selected password as a portion of a setup signal with Heinz's password management system because it offers the advantage of allowing authentication to a plurality of services without the user having to enter a password for each access to the plurality of remote servers (Nielsen, column 1, lines 31-55).

7. With regards to claims 2 and 7, Heinz as modified teaches the registering at the terminal of each stored password once it has been used to log-on (Heinz, column 6, lines 13-17).

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8. With regards to claims 3 and 8, Heinz as modified teaches the updating of expendable passwords stored on the terminal device by transmitting a new set from the server to the terminal (Heinz, column 6, lines 44-48 and Figure 3).

9. With regards to claims 4 and 9, Heinz as modified teaches the automatic ordering of a new set of passwords by the terminal to the server when all of the passwords have been used (Heinz, column 6, lines 48-54).

10. With regards to claims 5 and 10-11, Heinz as modified teaches a database of passwords corresponding to different remote servers (Nielsen, column 3, lines 64-66) and a means for selecting one of the set of passwords corresponding to the service being accessed by the user for use in logging-in (Nielsen, column 4 line 57 – column 5 line 3).

11. Claims 12-14, and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heinz US Patent No. 5,812,764 and Nielsen US Patent No 6,006,333 as applied to claim 6 above, and further in view of Sormunen et al US Patent No. 6,113,078.

12. With regards to claim 12, Heinz as modified fails to teach the use of a wired network using a telephone. Sormunen discloses a telecommunications network using a telephone (Sormunen, column 6, lines 58-67). At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to utilize Sormunen's method of using a wired telecommunications network because it offers the advantage of

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being able to use email as a method of transmitting information (Sormunen, column 5, lines 63-67).

13. With regards to claims 13 and 14, Heinz as modified fails to teach the network being a mobile network using GSM. Sormunen discloses a mobile GSM network using GSM terminals (Sormunen, column 3, lines 12-31. At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to utilize Sormunen's method of incorporating GSM terminals and networks because it offers the advantage of providing enciphered transmissions and fast data transfer (Sormunen, column 3, lines 36-41).

14. With regards to claims 16 and 17, Heinz as modified teaches a database of passwords corresponding to different remote servers (Nielsen, column 3, lines 64-66) and service identifiers and password names corresponding to the service being accessed by the user for use in logging-in (Nielsen, column 4 line 57 – column 5 line 3).

15. With regards to claim 18, Heinz as modified teaches the updating of expendable passwords stored on the terminal device by transmitting a new set from the server to the terminal at the request of the terminal (Heinz, column 6, lines 44-48 and Figure 3), but fails to teach the use of short message service to send a request for a password. Sormunen discloses the use of short message service for use in requesting a password (Sormunen, column 3, lines 54-60). At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to utilize Sormunen's method of requesting a password with short message service messages because it offers the

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advantage of encrypting the messages and prevents outsiders from deciphering the request or the returned passwords (Sormunen, column 3, lines 65-67).

***Allowable Subject Matter***

16. Claim 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

17. A statement detailing reasons for the indication of allowable subject matter can be found in prior office action mailed 12/11/2003 (paper number 6).

***Conclusion***

1. Any inquiry regarding this communication from the examiner should be directed to Andrew Nalven at (703) 305-8407 during the hours of 7:15 AM – 4:45 PM Monday through Thursday. The examiner can also be reached on alternate Fridays.

In the event that attempts to reach the examiner are unsuccessful, the examiner's supervisor, Gregory Morse can be reached on (703) 308 – 4789.

**Any response to this action should be mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Or faxed to:**

(703) 872-9306 (for formal communications intended for entry)

**Or:**

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(703) 872-9306 (for informal or draft communications, please label  
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal  
Drive, Arlington, VA 22202, Fourth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or  
proceeding should be directed to the receptionist whose telephone number is (703) 305-  
3900.

Andrew Nalven

*AN*

*Matthew D. Smithers*  
MATTHEW SMITHERS  
PRIMARY EXAMINER  
*Art Unit 2137*